

10/085599 Filed on 8/1/05

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A detachable keypad capable of being attached and detached from a mobile phone, the keypad for transmitting DTMF signals to the mobile phone, the keypad comprising:

an earphone-microphone jack;

a key array; and

a DTMF (Dual Tone Multi-Frequency) generator,

wherein when the keypad is detached from the mobile phone and a key of the key array is pressed while an earphone plug of an earphone-microphone set is inserted into the earphone-microphone jack, a DTMF signal is generated by the DTMF generator corresponding to the pressed key and is transmitted to a microphone of athe mobile phone through an earphone-microphone speaker of the earphone-microphone set.

2. (Original) A mobile phone comprising:

a microphone;

an earphone-microphone speaker fixing portion for fixing an earphone-microphone speaker at a position enabling the microphone to receive sound from the earphone-microphone speaker;

an audio/DTMF (Dual Tone Multi-Frequency) separator for separating a signal received at the microphone into an audio signal and a DTMF signal; and

a controller for analyzing the DTMF signal and performing an operation according to the analyzed DTMF signal.

3. (Original) The mobile phone of claim 2, further comprising a display, wherein the controller analyzes the DTMF signal and if the DTMF signal represents a digit or a character, the controller controls the display to display the digit or character.

4. (Original) The mobile phone of claim 2, wherein the earphone-microphone speaker fixing portion is a magnet.